BASF Corporation
Chemicals Division

BASF

9-24-86
INSP.

CERTIFIED MAIL:

EPA: P 447 526 757
MDNR: P 447 526 758

November 12, 1986

Ms. Bonnie Eleder - 5HE-12
Remedial Project Manager
CERCLA Enforcement Section
U. S. Environmental Protection Agency
230 S. Dearborn Street
Chicago, IL 60604

Director
Michigan Department of
Natural Resources
P. O. Box 30028
Lansing, MI 48909

To Whom It May Concern:

Subject: Consent Decree Action 80-73699

I have attached copy of the third 1986 Quarterly inspection of the Riverview site.

If there are any questions, please advise.

Yours very truly,

C. W. Axce
General Manager - Wyandotte

mh
enc.

1609 Biddle Avenue, Wyandotte, Michigan 48192 (313) 246-6100

BASF Corporation Chemicals Division
1609 Biddle Avenue, Wyandotte, Michigan 48192.

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230 S. Dearborn
Chicago, IL 60604

PREVENTIVE MAINTENANCE

BASF Corporation

TITLE: Riverview Property

SSO NO.: 110005 CC No.: 3058

INSPECTION FREQUENCY: 3 Months

INSPECTION DUE DATE: 09/30/86

Date Issued: 8/85

Date Revised: 11/85 - LTB

Folder No.: 1490

EQ. CODE: 00-00

PROCEDURE	REPORT HERE - FINDINGS & ITEMS REPAIRED OR REQUIRED
THIS PM REQUIRES THE INSPECTOR TO LOOK AT MANY THINGS AND WALK OR DRIVE OVER A LARGE AREA. THE INSPECTOR SHOULD READ THIS PM COMPLETELY PRIOR TO MAKING THE INSPECTION SO THAT NO WASTED EFFORT HAS TO OCCUR "GOING BACK".	
1. Inspect entire fence.	
A. Fence must be completely intact, including 3 strands of barbed wire on top. All gates must be locked.	I.A. Make a list of any broken barbed wire, broken or deformed fence, bent or damaged fence posts or rails, gate hinges, locks, etc. All O.K.

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B. Inspect signs on fence. Signs must face outward from property. The signs must be spaced at 100' intervals on all four sides of the property. The signs must be in good condition with 1-1/2" high letters. WARNING KEEP OUT MANAGED INDUSTRIAL WASTE DISPOSAL AREA	I.B. 1. Are signs spaced every 100 ft.? Yes___ No_X_ 2. Make a list of missing, rusted, bent, illegible, etc., signs. Signs on new fence will be installed by 9/30/86. All old fencing signs are O.K.
II. Inspect vegetation from Jefferson/to the water and from the common property line with Firestone to the municipal ramp.	
A. Look for any "bare" areas (spots or areas which do not have plant life growing). Plan. Bare areas are being reseeded during week of 11/4/87.	II.A. List "bare" areas. Describe size and location of bare spot. At Main Gate 1 30' x 20' area at new fence and new drainage trench, bare spots range between 3 to 4 75 ft. wide. Several 10 sq. ft. patches and 6 to 10 wheel ruts are bare along river fence.
B. Measure the height of the vegetation. As the vegetation is measured, look for areas where growth is stunted.	II.B. List the "average" height of the vegetation. Average height between 6 and 8", with some 12" high patches along river fence.

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III. Inspect the shoreline for stability.	III. List any shoreline erosion, washing, other deterioration or accumulation of debris.
	No shoreline erosion. A small accumulation of river debris on shore at high water line. To be cleaned up by 9/30/86.
IV. Review the integrity of the compacted clay cover.	
A. Inspect the entire area for the physical condition of the surface.	IV.A. List any erosion, standing pools of water, weathering, change in drainage patterns, etc.
	No erosion visible or drainage. Pattern changes are evident - several 8' x 10' pools of standing water in low areas at the river fence line.
B. Look for any deep-rooted vegetation (trees or other plant life which might or does have tap roots). Any vegetation which is taller than surrounding vegetation should be considered deep-rooted.	IV.B. List deep-rooted vegetation.
	Several small areas (5 to 10 sq. ft.) of deep-rooted vegetation are growing in the N.W. and S.E. quandrant. An October weed spraying program is planned to eliminate them.

PROCEDURE	REPORT HERE - FINDINGS & ITEMS REPAIRED OR REQUIRED
V. Inspect the berm which is constructed along the common property line with Firestone. This berm is constructed to eliminate water flowing from the Firestone property onto the site.	V. Is the berm at least 6 inches above the level of the Firestone property at the property line? Yes X No ___ Is there any evidence of water flowing from the Firestone property onto the site? Yes ___ No X
VI. Inspect the two concrete drainage ditches on the site, one through the center and one at the northeast corner. A. Look at overall condition of the ditches.	VI.A. List any cracks in the concrete, leaking through the cracks, accumulated debris, standing water, etc. No cracks in concrete - trench is approx. 2/3 full of water due to heavy rains during early part of this week and high river level.
B. There are thirty (30) joints in the center ditch. Note condition of each joint. Is joint in place or is it protruding above the surface of the concrete? Is the joint leaking? If there is standing water at the joint, is it clear or off color? General Note: A technical investigation of joint leaks & future repairs is being conducted.	VI.B. List condition of each joint. Joint 1: Good - dry. Joint 2: Good - dry.

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PROCEDURE	REPORT HERE - FINDINGS & ITEMS REPAIRED OR REQUIRED
VI. B. (Cont'd.) There are thirty 30) joints in the center ditch. Note condition of each joint. Is the joint in place or is it protruding above the surface of the concrete? Is the joint leaking? If there is standing water at the joint, is it clear or off color?	VI.B. List condition of each joint.
	Joint 3: Repaired joint leaking off-colored water at bottom of trench. Joint repairs being handled by Corp. Eng. Complete by April 1987.
Joint 4: Approx. 1/3 of joint is covered with off-colored water. Exposed joint good and dry. Joint repair being handled by Corp. Eng. Complete by April 1987.	Joint 5: Repaired joint coming apart and leaking off-colored water. Joint repair being handled by Corp. Eng. Complete by 4/87.
Joint 6: Repaired joint coming apart and leaking off-colored water. Joint repair being handled by Corp. Eng Complete by April 1987.	Joint 7: Approx. 1/3 of joint covered with water. Exposed joint dry and good. Joint repair being handled by Corp. Eng. Complete by 4/87.
Joint 8: Dry - repaired joint coming apart and is damp Joint repair being handled by Corp. Eng. Complete by April 1987.	Joint 9: Dry - repaired portion of joint coming apart and is damp. Joint repair being handled by Corp. Eng. Complete by 4/87.
Joint 10: Approx. 1/3 of joint is covered with water. Repaired joint is damp in exposed areas and coming apart. Joint repair being handled by Corp. Eng. Complete by 4/87.	Joint 11: Dry - good condition.

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PROCEDURE	REPORT HERE - FINDINGS & ITEMS REPAIRED OR REQUIRED
VI. B. (Cont'd.) There are thirty (30) joints in the center ditch. Note condition of each joint. Is joint in place or is it protruding above the surface of the concrete? Is the joint leaking? If there is standing water at the joint, is it clear or off color?	VI.B. List condition of each joint.
	Joint 12: Approx. 1/3 of joint is covered with water. Exposed repaired joint is damp. Joint repair being handled by Corp. Eng. Complete by 4/87.
Joint 13: Approx. 2/3 of joint is covered w/water - leaking off-colored water and discoloring the clear water at bottom of trench; exposed joint O.K. Joint repair being handled by Corp. Eng Complete by April 1987.	Joint 14: Approx. 2/3 of joint covered w/water and silt at bottom of trench - exposed joint O.K. Joint repair being handled by Corp. Eng Complete 4/87.
Joint 15: Approx. 2/3 of joint is covered w/water - bottom of trench has silt built up Exposed joint O.K.	Joint 16: Approx. 2/3 of joint covered w/water - exposed repaired joint is damp. Joint repair being handled by Corp. Eng. Complete by 4/87.
Joint 17: Approx 3/4 of joint is covered w/clear water due to high river level - exposed joint O.K. A small amount of silt covers the bottom of the trench.	Joint 18: Approx. 3/4 of joint covered w/clear water due to high river level - exposed joint O.K. Small amount of silt covers bottom of the trench.
Joint 19: Approx. 3/4 of joint is covered w/clear water due to high river level - exposed joint O.K. A small amount of silt covers a part of the bottom of the trench.	Joint 20: Approx. 3/4 of joint covered w/clear water due to high river level - exposed joint O.K. Bottom of trench is silt covered.

PROCEDURE	REPORT HERE - FINDINGS & ITEMS REPAIRED OR REQUIRED
VI. B. (Cont'd.) There are thirty (30) joints in the center ditch. Note condition of each joint. Is joint in place or is it protruding above the surface of the concrete? Is the joint leaking? If there is standing water at the joint, is it clear or off color?	VI.B. List condition of each joint.
	Joint 21: Approx. 7/8 of joint covered w/clear water due to high river level. Exposed joint O.K. Bottom of trench is silt covered.
Joint 22: Approx. 7/8 of joint covered w/clear water due to high river level - exposed joint O.K. Bottom of trench is silt covered.	Joint 23: Approx. 7/8 of joint covered w/clear water due to high river level - exposed joint O.K. Bottom of trench is silt covered.
Joint 24: Approx. 7/8 of joint covered w/clear water due to high river level - exposed joint O.K. Bottom of trench has small amount of silt.	Joint 25: Approx 7/8 of joint covered w/clear water due to high river level - exposed joint O.K.
Joint 26: Approx. 7/8 of joint covered w/clear water due to high river level - exposed joint O.K.	Joint 27: Joint entirely covered w/clear water due to high river level. Approx. 2/3 of repaired joint has loose chalking. Joint repair being handled by Corp. Eng. Complete by 4/87.
Joint 28: Joint entirely covered w/clear water due to high river level	Joint 29: Joint entirely covered w/clear water due to high river level.

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VI. B. (Cont'd.) There are thirty (30) joints in the center ditch. Note condition of each joint. Is joint in place or is it protruding above the surface of the concrete? Is the joint leaking? If there is standing water at the joint, is it clear or off color?	VI.B. List condition of each joint. Joint 30: Joint entirely covered w/clear water due to high river level.
There are four (4) joints in the north ditch. Note condition of each joint. Is joint in place or is it protruding above the surface of the concrete? Is the joint leaking? If there is standing water at the joint, is it clear or off color?	Joint A: Dry - good. Joint B: Dry - good. Joint C: Dry - good. Joint D: Approx. 1/3 covered w/water due to high river level.

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PROCEDURE	REPORT HERE - FINDINGS & ITEMS REPAIRED OR REQUIRED
VII. Inspect each of the nine (9) monitoring wells for integrity.	VII. List any problems with the wells. A - Locked - O.K. B - " - " C - " - " D - " - " 3S —E - Pipe is lifting - Locked 4D —F - " " " - Locked G - Locked - " H - " - " J - " - " J - " - "

Inspected by: D. J. Savage and W. Chavis

Date Inspected: 9/24/86